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OM nucleic - nucleic search, using sw model

Run on: March 5, 2004, 23:19:02 ; Search time 654 Seconds  
(without alignments)  
10088.696 Million cell updates/sec

Title: US-09-668-314C-1  
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Scoring table: IDENTITY NUC  
Gapop 10.0 , Gapext 1.0

Searched: 2421054 seqs, 1828716029 residues  
Total number of hits satisfying chosen parameters: 4842108

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications NA:\*

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- 18: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length DB	ID	Description
1	1804	100.0	1804	US-09-794-927-1	Sequence 1, Appli
2	1804	100.0	1804	US-09-795-847-1	Sequence 1, Appli
3	1804	100.0	1804	US-09-794-743-1	Sequence 1, Appli
4	1804	100.0	1804	US-09-794-748-1	Sequence 1, Appli
5	1804	100.0	1804	US-09-794-925-1	Sequence 1, Appli
6	1804	100.0	1804	US-09-681-442-1	Sequence 1, Appli
7	1804	100.0	1804	US-09-869-414-1	Sequence 1, Appli
8	1804	100.0	1804	US-09-548-366-1	Sequence 1, Appli
9	1784.4	98.9	1879	US-09-978-295A-195	Sequence 195, App
10	1784.4	98.9	1879	US-09-978-697-195	Sequence 195, App
11	1784.4	98.9	1879	US-09-978-192A-195	Sequence 195, App
12	1784.4	98.9	1879	US-09-999-832A-195	Sequence 195, App
13	1784.4	98.9	1879	US-09-978-189-195	Sequence 195, App
14	1784.4	98.9	1879	US-09-978-608A-195	Sequence 195, App
15	1784.4	98.9	1879	US-09-978-585A-195	Sequence 195, App

16	1784.4	98.9	1879	10	US-09-978-191A-195	Sequence 195, App
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21	1784.4	98.9	1879	10	US-09-978-824-195	Sequence 195, App
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42	1784.4	98.9	1879	12	US-10-201-858-71	Sequence 71, Appl
43	1784.4	98.9	1879	13	US-10-052-586-71	Sequence 71, Appl
44	1784.4	98.9	1879	14	US-10-174-590-71	Sequence 71, Appl
45	1784.4	98.9	1879	14	US-10-176-758-71	Sequence 71, Appl

## ALIGNMENTS

RESULT 1  
US-09-794-927-1  
Sequence 1, Application US/09794927  
Patent No. US20010016324A1  
GENERAL INFORMATION:  
APPLICANT: Gurney, Mark E.  
APPLICANT: Bienkowski, Michael J.  
APPLICANT: Heinrichson, Robert L.  
APPLICANT: Parodi, Luis A.  
TITLE OF INVENTION: ALZHEIMER'S DISEASE SECRETASE, APP SUBSTRATES THEREFOR, AND  
TITLE OF INVENTION: USES  
FILE REFERENCE: 28341/6280FG  
CURRENT APPLICATION NUMBER: US/09/794,927  
CURRENT FILING DATE: 2001-02-27  
PRIOR APPLICATION NUMBER: 09/416,901  
PRIOR FILING DATE: 1999-10-13  
PRIOR APPLICATION NUMBER: 60/155,493  
PRIOR FILING DATE: 1999-09-23  
PRIOR APPLICATION NUMBER: 09/404,133  
PRIOR FILING DATE: 1999-09-23  
PRIOR APPLICATION NUMBER: PCT/US99/20881  
PRIOR FILING DATE: 1999-09-23  
PRIOR APPLICATION NUMBER: 60/101,594  
PRIOR FILING DATE: 1998-09-24  
NUMBER OF SEQ ID NOS: 73  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 1  
LENGTH: 1804  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-794-927-1  
Query Match 100.0%; Score 1804; DB 9; Length 1804;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 1804; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db	61	GCCCCGGAGCTGGGCCCCCGCGCCCTTCAACGCTGCCCCCTCCGGGTGGCGCGGGCCACGAAAC	120
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Db	121	CGCGTAGTTGCGGCCACCCCGGAGCCCGGACCCTGCGAGCGCCACGCGGACCGGCTTG	180
QY	181	GCGCTGCGCCCTGGAGCCTGCCCCCTGGCGTCCCCCGGGCGCGCCCAACTTCTTGCCATG	240
Db	181	GCGCTGCGCCCTGGAGCCTGCCCCCTGGCGTCCCCCGGGCGCGCCCAACTTCTTGCCATG	240
QY	241	GTAGACAACCTGCAAGGGGGAAGCTCTGGCCCGCGGCTACTACCTGGAGATGCTGATCGGGACC	300
Db	241	GTAGACAACCTGCAAGGGGGAAGCTCTGGCCCGCGGCTACTACCTGGAGATGCTGATCGGGACC	300
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Db	1081	TACCTGAGAGATGAGAACTCCAGCAGGCTCATTCGGTATCACAATCCTGCTCAGCTTTAC	1140
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QY	1201	TCCACAATGCGCTGATCGGTGCGCAGGTGATGAGAGGCTTCTACGTCACTTTCGAC	1260
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QY	1561	GCCAGGCTGACCTCAAGCAACCATGAATCACTATTAAGAAATCACATTTCCAGGCG	1620
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US-09-795-847-1  
; Sequence 1, Application US/03795847  
; Patent No. US20010018208A1  
; GENERAL INFORMATION:  
; APPLICANT: Gurney, Mark E.  
; APPLICANT: Bienkowski, Michael J.  
; APPLICANT: Heinrichson, Robert L.  
; APPLICANT: Parodi, Luis A.  
; APPLICANT: Yan, Riqiang  
; TITLE OF INVENTION: ALZHEIMER'S DISEASE SECRETASE, APP SUBSTRATES THEREFOR, AND  
; TITLE OF INVENTION: USES  
; TITLE OF INVENTION: THEREFOR  
; FILE REFERENCE: 28341/6280DE  
; CURRENT APPLICATION NUMBER: US/09/795, 847  
; CURRENT FILING DATE: 2001-02-28  
; PRIOR APPLICATION NUMBER: 09/416, 901  
; PRIOR FILING DATE: 1999-10-13  
; PRIOR APPLICATION NUMBER: 60/155, 493  
; PRIOR FILING DATE: 1999-09-23  
; PRIOR APPLICATION NUMBER: 09/404, 133

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; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: PCT/US99/20881
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: 60/101,594
; PRIOR FILING DATE: 1998-09-24
; NUMBER OF SEQ ID NOS: 73
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 1
; LENGTH: 1804
; TYPE: DNA
; ORGANISM: Homo sapiens
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Db	61	GCCCCGGAGCTGGCCCCCGCGCCCTTCACGCTGCCCCCTCCGGGTGGCCCGGCCACGAAC	120
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QY	181	GCGCTCGCCCTGGAGCCTGCTGGCGTCCCCCGCGGCGCGCCCACTTCTTGGCCATG	240
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QY	241	GTAGACAACCTGCAGGGGAGCTTGCGCGCGGCTACTACCTTGAGATGCTGATCGGACC	300
Db	241	GTAGACAACCTGCAGGGGAGCTTGCGCGCGGCTACTACCTTGAGATGCTGATCGGACC	300
QY	301	CCCCCGGAGAGCTACAGATTCTCGTTGACACTGGAGCAGTAACCTTGCCGTGGCAGGA	360
Db	301	CCCCCGGAGAGCTACAGATTCTCGTTGACACTGGAGCAGTAACCTTGCCGTGGCAGGA	360
QY	361	ACCCCGCACTCCTACATAGACACGTACTTTGACACAGAGAGGTCTGACATACCGCTCC	420
Db	361	ACCCCGCACTCCTACATAGACACGTACTTTGACACAGAGAGGTCTGACATACCGCTCC	420
QY	421	AAGGCTTTGACGTCA CAGTGAAGTACACA CAAGGAAGCTGACGGGCTTCGTTGGGAA	480
Db	421	AAGGCTTTGACGTCA CAGTGAAGTACACA CAAGGAAGCTGACGGGCTTCGTTGGGAA	480
QY	481	GACCTCGTCAACCATCCCCCAAGGCTTCATACTTCTTTCTTGCAACATTGCCACTATT	540
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QY	541	TTTGAATCAGAGAA TTTCTTTTGCTGGGATTAATGGAATGAATGAATCTTGGCCTAGCT	600
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Db	601	TATGCCACA CACTTGCCAAAGCCATCAAGTTCTCTGGAGACCTTCTTGCACTCCCTGGTGACA	660
QY	661	CAAGCAAA CATTCCCCCAACGTTTTCTCCATGCAATGTGTGAGCCGGCTTGCCCGTTGCT	720
Db	661	CAAGCAAA CATTCCCCCAACGTTTTCTCCATGCAATGTGTGAGCCGGCTTGCCCGTTGCT	720
QY	721	GGATCTGGGACCAACGGAAGTATGTTCTTGCTTGGGTGGAATTGAAACCAAGTTGTATAAA	780
Db	721	GGATCTGGGACCAACGGAAGTATGTTCTTGCTTGGGTGGAATTGAAACCAAGTTGTATAAA	780
QY	781	GGAGACATCTGGTATACCCCTATTAAAGGAAGTGTACTACCAAGATAGAAATTTCTGAAA	840
Db	781	GGAGACATCTGGTATACCCCTATTAAAGGAAGTGTACTACCAAGATAGAAATTTCTGAAA	840

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Db	841	TTGMAATTGGAGGCCAAAGCCTTAATCTGGACTGCAGAGATATAACGACAGACAGGCC	900
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Db	901	ATCGTGACAGTGGCAACCAAGCTGCTGGCTGGCCCCAGAAAGGTGTTTGATGCGGTGGTG	960
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QY	1021	CAGCTGCGTGTGGACGAATTCGAAAACACTTGTCTTACTTCCCTAAATCTCCATC	1080
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QY	1081	TACCTGAGAGATGAGAACTCCAGCAGTCAATCCGATCAACAATCCTGCTCAGCTTAC	1140
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QY	1141	ATTCAGCCCATGATGGGGGCCCGCCTGAATTATGAATGTTACCGATTGGCATTTCCCA	1200
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QY	1201	TCCACAATGCGCTGTGTATCGGTGCCACCGTATGAGAGGGCTTCTACGTCACTTTCAC	1260
Db	1201	TCCACAATGCGCTGTGTATCGGTGCCACCGTATGAGAGGGCTTCTACGTCACTTTCAC	1260
QY	1261	AGAGCCCAAGAGGGTGGGCTTCGACAGCAGGCCCTGTGCAGAAATTGCAGGTGCTGCA	1320
Db	1261	AGAGCCCAAGAGGGTGGGCTTCGACAGCAGGCCCTGTGCAGAAATTGCAGGTGCTGCA	1320
QY	1321	GTGTCTGAAATTTCCGGGCTTTTCTCAACAGAGATGTAGCCACAACGTGTGCCCGCT	1380
Db	1321	GTGTCTGAAATTTCCGGGCTTTTCTCAACAGAGATGTAGCCACAACGTGTGCCCGCT	1380
QY	1381	CAGTCTTGAGCGAGCCCATTTTGTGATTTGTCTATGCGCTCATGAGCGTGTGGA	1440
Db	1381	CAGTCTTGAGCGAGCCCATTTTGTGATTTGTCTATGCGCTCATGAGCGTGTGGA	1440
QY	1441	GCCATCTCTCTGTCTTAATCGTCTGCTGTGTCGCCGTCCGGTGCAGCGTCGCCCC	1500
Db	1441	GCCATCTCTCTGTCTTAATCGTCTGCTGTGTCGCCGTCCGGTGCAGCGTCGCCCC	1500
QY	1501	CGTGACCCTGAGGTGCTCAATGATGAGTCTCTCTGTGCAGACATCGCTGGAATGAATA	1560
Db	1501	CGTGACCCTGAGGTGCTCAATGATGAGTCTCTCTGTGCAGACATCGCTGGAATGAATA	1560
QY	1561	GCCAGGCTGACCTCAAGCAACCATGAACCTCAGCTAATTAAGAAAATCACATTTCCAGGGC	1620
Db	1561	GCCAGGCTGACCTCAAGCAACCATGAACCTCAGCTAATTAAGAAAATCACATTTCCAGGGC	1620
QY	1621	AGCAGCCGGGATCGATGTGTGGCGCTTCTCTCTGTGCCACCCGCTTCAATCTGTGCT	1680
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QY	1681	GCTCCAGATGCTTCTAGATTCACGTCTTTGATTTTGATTTTCAAGCTTCAAAATC	1740
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QY	1741	CTCCCTACTTCCAGAAAAATAATTAATAAAAAAACTTCATTTCTAAACCAAAAAA	1800
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QY	1801	AAAA 1804	
Db	1801	AAAA 1804	

RESULT 3  
US-09-794-743-1  
; Sequence 1, Application US/09794743  
; Patent No. US20010021391A1







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QY	1501	CGTGACCCCTGAGGTGCTCAATGATGAGTCTCTCTGGTCAACAATCGCTGGAATGAATA	1560
Db	1501	CGTGACCCCTGAGGTGCTCAATGATGAGTCTCTCTGGTCAACAATCGCTGGAATGAATA	1560
QY	1561	GCCAGGCGCTGACCTCAAGCAACCATGAACCTAGCTATTAAAGAAAATCACATTTCCAGGGC	1620
Db	1561	GCCAGGCGCTGACCTCAAGCAACCATGAACCTAGCTATTAAAGAAAATCACATTTCCAGGGC	1620
QY	1621	AGCAGCCGGGATCGATGGTGGCGCTTCTCTCCTGTGCCCAACCCGCTTCAATCTCTGTCT	1680
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QY	1681	GCTCCAGATGCGCTTCTAGATTCACTGTCTTTGATTCCTGATTTTCAAGCTTCAAATC	1740
Db	1681	GCTCCAGATGCGCTTCTAGATTCACTGTCTTTGATTCCTGATTTTCAAGCTTCAAATC	1740
QY	1741	CTCCCTACTTCCAAGAAAAATAATTAAAAAATTTCAATCTCTAAACCAAAAAAATTTT	1800
Db	1741	CTCCCTACTTCCAAGAAAAATAATTAAAAAATTTCAATCTCTAAACCAAAAAAATTTT	1800
QY	1801	AAAA 1804	
Db	1801	AAAA 1804	

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RESULT 5
US-09-794-925-1
; Sequence 1, Application US/09794925
; Patent No. US20020064819A1
; GENERAL INFORMATION:
; APPLICANT: Gurney, Mark E.
; APPLICANT: Bienkowski, Michael J.
; APPLICANT: Heinrichson, Robert L.
; APPLICANT: Parodi, Luis A.
; APPLICANT: Yan, Riqiang
; TITLE OF INVENTION: ALZHEIMER'S DISEASE SECRETASE, APP SUBSTRATES THEREFOR, AND USES
; TITLE OF INVENTION: THEREFOR
; FILE REFERENCE: 28341/6280HI
; CURRENT APPLICATION NUMBER: US/09/794,925
; CURRENT FILING DATE: 2001-02-27
; PRIOR APPLICATION NUMBER: 09/416,901
; PRIOR FILING DATE: 1999-10-13
; PRIOR APPLICATION NUMBER: 60/155,493
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: 09/404,133
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: PCT/US99/20881
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: 60/101,594
; PRIOR FILING DATE: 1998-09-24
; NUMBER OF SEQ ID NOS: 73
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 1
; LENGTH: 1804
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-794-925-1

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	Query Matchn	100.0%;	Score 1804;	DB 9;	Length 1804;
	Best Local Similarity	100.0%;	Pred. No. 0;		
	Matches 1804;	Conservative	0;	Mismatches	0; Indels
					Gaps
					0;
QY	1 ATGGGCGCACTGGCCCCGGCGGTGCTGCTGCCTCTGCTGGCCAGTGGCTCCTGCGGCC				
Dd	1 ATGGGCGCACTGGCCCCGGCGGTGCTGCTGCCTCTGCTGGCCAGTGGCTCCTGCGGCC				
QY	61 GCCCGGAGCTGGCCCCCGCGCCTTCACGCTGCCCTCCGGTGCCCGCGCCACGAAC				

Db	61	GGCCCGGAGCTGGGCCCCCGGCCCTTCA	CGCTGCCCCCTCCGGGTGGCCCGGCCACGAAC	120		
QY	121	CGCGTAGTTGGGCCCA	CCCCCGGGACCCCGGAACCTTGC	CGGAGCGCCACGCCGACGGCTTG	180	
Db	121	CGCGTAGTTGGGCCCA	CCCCCGGGACCCCGGAACCTTGC	CGGAGCGCCACGCCGACGGCTTG	180	
QY	181	GGCGTCGCCCTGGAGCCTG	CCCCCTGGCGTCCCCCGCGGGCGCCG	CCAACTTCTTGGCCATG	240	
Db	181	GGCGTCGCCCTGGAGCCTG	CCCCCTGGCGTCCCCCGCGGGCGCCG	CCAACTTCTTGGCCATG	240	
QY	241	GTAGACAACCTGCA	GGGGGACTCTGGCCCGCGGCTACTA	CTGAGAGATGCTGATCGGGACC	300	
Db	241	GTAGACAACCTGCA	GGGGGACTCTGGCCCGCGGCTACTA	CTGAGAGATGCTGATCGGGACC	300	
QY	301	CCCCCGCAGAA	AGCTACAGATTCTCGTTGACACTG	GAAGCAGTAACCTTGGCCGTGGCAGGA	360	
Db	301	CCCCCGCAGAA	AGCTACAGATTCTCGTTGACACTG	GAAGCAGTAACCTTGGCCGTGGCAGGA	360	
QY	361	ACCCCGCACTCCTAC	TAGACACACGTA	CTTTGACACAGAGAGGTCTAGACATACCGCTCC	420	
Db	361	ACCCCGCACTCCTAC	TAGACACACGTA	CTTTGACACAGAGAGGTCTAGACATACCGCTCC	420	
QY	421	AAGGGCTTTGACGTCA	CAGTGAAGTACACACAAGAA	AGCTGGACGGGCTTGTGGGAA	480	
Db	421	AAGGGCTTTGACGTCA	CAGTGAAGTACACACAAGAA	AGCTGGACGGGCTTGTGGGAA	480	
QY	481	GACCTCGTCA	CCATCCCCAAAGGCTTCA	TACTTCTTTCTTGTCAACATTTGCCACTATT	540	
Db	481	GACCTCGTCA	CCATCCCCAAAGGCTTCA	TACTTCTTTCTTGTCAACATTTGCCACTATT	540	
QY	541	TTTGAATCAGAGA	ATTTCTTTTGGCTGGGATTA	ATGAATGAATGAATACCTTGGCCTAGCT	600	
Db	541	TTTGAATCAGAGA	ATTTCTTTTGGCTGGGATTA	ATGAATGAATGAATACCTTGGCCTAGCT	600	
QY	601	TATGCCACACTT	GGCCAAAGCCATCAAGTCTCTG	GAGAACCTTCTTGACTCCCTGTGACA	660	
Db	601	TATGCCACACTT	GGCCAAAGCCATCAAGTCTCTG	GAGAACCTTCTTGACTCCCTGTGACA	660	
QY	661	CAAGCAAA	CATCCCCCAACGTTTCTCCATG	CAGATGTGAGCCGGCTTGCCCGTGTCT	720	
Db	661	CAAGCAAA	CATCCCCCAACGTTTCTCCATG	CAGATGTGAGCCGGCTTGCCCGTGTCT	720	
QY	721	GGATCTGGGACCA	CGGAGGTAGTCTGTCTTGGGTG	GAATTGAACCAAGTTTGTATAA	780	
Db	721	GGATCTGGGACCA	CGGAGGTAGTCTGTCTTGGGTG	GAATTGAACCAAGTTTGTATAA	780	
QY	781	GGAGACATCTG	TATACCCCTATTAA	GGAAGAGTGTACTACCA	GATAGAATTTCTGAAA	840
Db	781	GGAGACATCTG	TATACCCCTATTAA	GGAAGAGTGTACTACCA	GATAGAATTTCTGAAA	840
QY	841	TTGGAATTTG	AGGCCAAAGCCTTAATCTG	AGCTGCAAGAGTATAACG	CAGACAAGGCC	900
Db	841	TTGGAATTTG	AGGCCAAAGCCTTAATCTG	AGCTGCAAGAGTATAACG	CAGACAAGGCC	900
QY	901	ATCGTGACAGT	GGCAACACGCTGCGCCTG	CCCCAGAAGGTGTTGATGCGGTGTG	960	
Db	901	ATCGTGACAGT	GGCAACACGCTGCGCCTG	CCCCAGAAGGTGTTGATGCGGTGTG	960	
QY	961	GAACTGTG	CGCGCATCTGATTCC	AGAAATTTCTGATGTTTCTG	ACTGGGTCC	1020
Db	961	GAACTGTG	CGCGCATCTGATTCC	AGAAATTTCTGATGTTTCTG	ACTGGGTCC	1020
QY	1021	CAGCTGGCGT	GCTGGAAGAAATTCG	AAACACCTTGGTCTTACTTCC	CTAAATCTCATC	1080
Db	1021	CAGCTGGCGT	GCTGGAAGAAATTCG	AAACACCTTGGTCTTACTTCC	CTAAATCTCATC	1080
QY	1081	TACCTGAGAGAT	GAACTCCAGCAGTCA	TTCGATCACAATCCTG	CTCAGCTTAC	1140
Db	1081	TACCTGAGAGAT	GAACTCCAGCAGTCA	TTCGATCACAATCCTG	CTCAGCTTAC	1140
QY	1141	ATTCA	GGCCATGATGGGGCGG	CGCTGAATTATGATTTAC	CGATTGGCATTTCCCA	1200
Db	1141	ATTCA	GGCCATGATGGGGCGG	CGCTGAATTATGATTTAC	CGATTGGCATTTCCCA	1200



QY	1201	TCCACAATGCGCTGGTGGATCGGTGCCACGGTGATGGAGGCTTCTACGTCATCTTGAC	1260
Db	1201	TCCACAATGCGCTGGTGGATCGGTGCCACGGTGATGGAGGCTTCTACGTCATCTTGAC	1260
QY	1261	AGAGCCCGAGAGAGGGTGGGCTTCCGACGAGCCCGCTGTGCAGAAATGCAAGTGTGCA	1320
Db	1261	AGAGCCCGAGAGAGGGTGGGCTTCCGACGAGCCCGCTGTGCAGAAATGCAAGTGTGCA	1320
QY	1321	GTGTCTGAATTTCCGGGCTTTCTCAACAGAGGATGTAGCCAGCACTGTGCCCGCT	1380
Db	1321	GTGTCTGAATTTCCGGGCTTTCTCAACAGAGGATGTAGCCAGCACTGTGCCCGCT	1380
QY	1381	CAGTCTTTGAGCGAGCCCATTTGTGATTGTGTCTATGCGCTCATGAGCGTGTGGA	1440
Db	1381	CAGTCTTTGAGCGAGCCCATTTGTGATTGTGTCTATGCGCTCATGAGCGTGTGGA	1440
QY	1441	GCCATCCTCCTTGTCTTAATCGTCTCTGCTGTGCTGCCGTTCCGGTGTGAGCGTGCCCC	1500
Db	1441	GCCATCCTCCTTGTCTTAATCGTCTCTGCTGTGCTGCCGTTCCGGTGTGAGCGTGCCCC	1500
QY	1501	CGTGACCCCTGAGGTGTCATGATGAGTCTCTCTGTGTCAGACATCGCTGGAATGATA	1560
Db	1501	CGTGACCCCTGAGGTGTCATGATGAGTCTCTCTGTGTCAGACATCGCTGGAATGATA	1560
QY	1561	GCCAGGCGCTGACCTCAAGCAACCATGAACCTAGCTATTAGAAATCACATTTCCAGGGC	1620
Db	1561	GCCAGGCGCTGACCTCAAGCAACCATGAACCTAGCTATTAGAAATCACATTTCCAGGGC	1620
QY	1621	AGCAGCCGGGATCGATGGTGGCGCTTCTCTGTGCCCCACCCGCTTCAATCTCTGTCT	1680
Db	1621	AGCAGCCGGGATCGATGGTGGCGCTTCTCTGTGCCCCACCCGCTTCAATCTCTGTCT	1680
QY	1681	GCTCCAGATGCGCTTCTAGATTCACTGTCTTTGATTCTTGATTTCAGCTTCAATC	1740
Db	1681	GCTCCAGATGCGCTTCTAGATTCACTGTCTTTGATTCTTGATTTCAGCTTCAATC	1740
QY	1741	CTCCCTACTTCCAGAGAAATAATTAAAAAAAACTTCATTCTAAACCAAAAAA	1800
Db	1741	CTCCCTACTTCCAGAGAAATAATTAAAAAAAACTTCATTCTAAACCAAAAAA	1800
QY	1801	AAAA 1804	
Db	1801	AAAA 1804	

RESULT 6

US-09-681-442-1

; Sequence 1, Application US/09681442

; Patent No. US20020081634A1

; GENERAL INFORMATION:

; APPLICANT: Gurney, Mark E.

; APPLICANT: Bienkowski, Michael J.

; APPLICANT: Heinrikson, Robert L.

; APPLICANT: Parodi, Luis A.

; APPLICANT: Yan, Riqiang

; TITLE OF INVENTION: ALZHEIMER'S DISEASE SECRETASE, APP SUBSTRATES THEREFOR, AND USES

; TITLE OF INVENTION: THEREFOR

; FILE REFERENCE: 28341/6280FG

; CURRENT APPLICATION NUMBER: US/09/681,442

; PRIOR APPLICATION NUMBER: 09/416,901

; PRIOR FILING DATE: 1999-10-13

; PRIOR APPLICATION NUMBER: 60/155,493

; PRIOR FILING DATE: 1999-09-23

; PRIOR APPLICATION NUMBER: 09/404,133

; PRIOR FILING DATE: 1999-09-23

; PRIOR APPLICATION NUMBER: PCT/US99/20881

; PRIOR FILING DATE: 1999-09-23

; PRIOR APPLICATION NUMBER: 60/101,594

; PRIOR FILING DATE: 1998-09-24

; NUMBER OF SEQ ID NOS: 73

; SOFTWARE: PatentIn Ver. 2.0

[illegible]

QY	961	GAAAGCTGTGCCCCCGCATCTCTGATTCAGAAATTCCTGATGGTTTCTGACCTGGGTC	1020
Db	961	GAAAGCTGTGCCCCCGCATCTCTGATTCAGAAATTCCTGATGGTTTCTGACCTGGGTC	1020
QY	1021	CAGCTGGCGGTGTGAGCGAATTCGGAAACACCTTGGTCTTACTTCCCTAAATCTCCATC	1080
Db	1021	CAGCTGGCGGTGTGAGCGAATTCGGAAACACCTTGGTCTTACTTCCCTAAATCTCCATC	1080
QY	1081	TACCTGAGAGATGAGAACTCCAGCAGGTCAATCCGATCACAATCCCTGCTCAGCTTAC	1140
Db	1081	TACCTGAGAGATGAGAACTCCAGCAGGTCAATCCGATCACAATCCCTGCTCAGCTTAC	1140
QY	1141	ATTACGCCCATGATGGGGCCGGCCTGAATTATGAATGTTACCGATTCCGATTTCCCA	1200
Db	1141	ATTACGCCCATGATGGGGCCGGCCTGAATTATGAATGTTACCGATTCCGATTTCCCA	1200
QY	1201	TCCACAATGCGCTGTGATCCGTCGCCACGGTGATGGAGGCTTCTACGTCATCTTGAC	1260
Db	1201	TCCACAATGCGCTGTGATCCGTCGCCACGGTGATGGAGGCTTCTACGTCATCTTGAC	1260
QY	1261	AGAGCCCGAGAAGAGGGTGGGCTTCGACGCGAGCCCTGTGCAGAAATTGCAGGTGTGCA	1320
Db	1261	AGAGCCCGAGAAGAGGGTGGGCTTCGACGCGAGCCCTGTGCAGAAATTGCAGGTGTGCA	1320
QY	1321	GTGTCTGAAATTTCCGGGCTTTTCTCAACAGAGGATGTAGCCAGCACTGTGTCCCGCT	1380
Db	1321	GTGTCTGAAATTTCCGGGCTTTTCTCAACAGAGGATGTAGCCAGCACTGTGTCCCGCT	1380
QY	1381	CAGTCTTTGAGCGAGCCCATTTTGTGATTGTGTCTATGCGCTCATGAGCGTCTGTGA	1440
Db	1381	CAGTCTTTGAGCGAGCCCATTTTGTGATTGTGTCTATGCGCTCATGAGCGTCTGTGA	1440
QY	1441	GCCATCCTCCTTGTCTTAATCGTCCTGTGCTGCTGCGGTTCCGGTGTCAAGCGTGGCCCC	1500
Db	1441	GCCATCCTCCTTGTCTTAATCGTCCTGTGCTGCTGCGGTTCCGGTGTCAAGCGTGGCCCC	1500
QY	1501	CGTGACCCCTGAGGTGCTCAATGATGAGTCCTCTGTGTCAAGACATCGCTGGAATGAATA	1560
Db	1501	CGTGACCCCTGAGGTGCTCAATGATGAGTCCTCTGTGTCAAGACATCGCTGGAATGAATA	1560
QY	1561	GCCAGGCGCTGACCTCAAGCAACCATGAACCTCAGCTATTAAAGAAAATCACATTTCCAGGGC	1620
Db	1561	GCCAGGCGCTGACCTCAAGCAACCATGAACCTCAGCTATTAAAGAAAATCACATTTCCAGGGC	1620
QY	1621	AGCAGCCGGGATCGATGTGGCGCTTCTCTCTGTGCCCCACCCGCTTCAATCTCTGTCT	1680
Db	1621	AGCAGCCGGGATCGATGTGGCGCTTCTCTCTGTGCCCCACCCGCTTCAATCTCTGTCT	1680
QY	1681	GCTCCAGATGCGCTTCTAGATTCAGTCGTCTTTGATCTTGATTTTCAAGCTTTCAAAATC	1740
Db	1681	GCTCCAGATGCGCTTCTAGATTCAGTCGTCTTTGATCTTGATTTTCAAGCTTTCAAAATC	1740
QY	1741	CTCCCTACTTCCAAAGAAAATAATTAAGAAAAAACTTCATTTCAAAACCAAAAAA	1800
Db	1741	CTCCCTACTTCCAAAGAAAATAATTAAGAAAAAACTTCATTTCAAAACCAAAAAA	1800
QY	1801	AAAA 1804	
Db	1801	AAAA 1804	

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; PRIOR APPLICATION NUMBER: 09/416,901
; PRIOR FILING DATE: 1999-10-13
; PRIOR APPLICATION NUMBER: 60/155,493
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: 09/404,133
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: PCT/US99/20881
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: 60/101,594
; PRIOR FILING DATE: 1998-09-24
; NUMBER OF SEQ ID NOS: 73
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 1804
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-869-414-1

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US-09-869-414-1

Query Match	100.0%;	Score 1804;	DB 10;	Length 1804;
Best Local Similarity	100.0%;	Pred. No. 0;		
Matches 1804; Conservative	0;	Mismatches	0;	Indels 0; Gaps 0;

qy 1 ATGGGCGCACTGGGCCCCGGGCGCTGCTGCTGCCTCTGCTGGCCCAATGGCTCTGCGCGCC 60  
 |||||  
 db 1 ATGGGCGCACTGGGCCCCGGGCGCTGCTGCTGCCTCTGCTGGCCCAATGGCTCTGCGCGCC 60

```

QY      61 GCGCCGAGCTGCCCCCGCGCCTTCAACGCTGCCCTCCGGTGCGCGGCCACGAAC 120
        |||||
DB      61 GCGCCGAGCTGCCCCCGCGCCTTCAACGCTGCCCTCCGGTGCGCGGCCACGAAC 120

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QY      121  CGCGTAGTTGCCCCCAccccCGGGAccccCTGCCGAGCGCCACGCGGACGGCTTG  180
      |||||
DB      121  CGCGTAGTTGCCGCCCAccccGGGACccCGGACccCTGCCGAGCGCCACGCGGACGGCTTG  180

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QY	181 GCGCTGCGCCCTGGAGCCTGCCCTGGCGTCCCCCGCGGGCGCCCACTTCGTGGCATG 240
Db	181 GCGCTGCGCCCTGGAGCCTGCCCTGGCGTCCCCCGCGGGCGCCCACTTCGTGGCATG 240

QY 241 GTAGACAACCTGCAGGGGACTCTGCGCCGGCTACTACCTGAGATGCTGATCGGGAAC 3000  
|||||  
Db 241 GTAGACAACCTGCAGGGGACTCTGCGCCGGCTACTACCTGAGATGCTGATCGGGAAC 3000  
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QY      301  CCCCCGAGAGCTACAGATTCTCGTTGACACTGGAAGCAGTAACTTTGCCTGGCAGGA  360
        |||||
Db      301  CCCCCGAGAGCTACAGATTCTCGTTGACACTGGAAGCAGTAACTTTGCCTGGCAGGA  360

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QY 361 ACCCCGCACTCTACATAGACACGTACTTTGACACAGAGGCTTAGCACAATCCGCTCC 420

Db 361 ACCCCGCACTCTACATAGACACGTACTTTGACACAGAGGCTTAGCACAATCCGCTCC 420

QY 421 AAGGCTTTGACGTCAACAGTGAAGTACACACAAGGAAGCTGACGGGCTTCGTTGGGGA 480  
421 AAGGCTTTGACGTCAACAGTGAAGTACACACAAGGAAGCTGACGGGCTTCGTTGGGGA 480  
Db 421 AAGGCTTTGACGTCAACAGTGAAGTACACACAAGGAAGCTGACGGGCTTCGTTGGGGA 480

QY	481	GACCTGTCACCATCCCCAAGGCTCATACTTCTTTCTGTCAACATTGCCACTATT	540
Db	481	GACTCGTCACCATCCCCAAGGCTCATACTTCTTTCTGTCAACATTGCCACTATT	540

QY	541	TTTGAATCAGAGAA	TTCTTTTGGCTGGGA	TTAATGGAATGAATA	CTTGGCTAGCT	600
Db	541	TTTGAATCAGAGAA	TTCTTTTGGCTGGGA	TTAATGGAATGAATA	CTTGGCTAGCT	600

QY 601 TATGCCACACTTGCCAGCCATCAAGTTCCTGAGAACTTCTTCGACTCCCTGTGACA 660  
DB 601 TATGCCACACTTGCCAGCCATCAAGTTCCTGAGAACTTCTTCGACTCCCTGTGACA 660

Qy	661	CAAGCAACATCCCCAACGTTTCTCCATGCAGATGTGTGGAGCCGGCTTGCCCGTTGCT	720
Dp	661	CAGCAACATCCCCAACGTTTCTCCATGCAGATGTGTGGAGCCGGCTTGCCCGTTGCT	720

[illegible]



QY	781	GGAGACATCTGGTATACCCCTATTAAAGAAAGCTGTACTACCAAGATAGAAATTCTGAAA	840
Db	781	GGAGACATCTGTATACCCCTATTAAAGAAAGCTGTACTACCAAGATAGAAATTCTGAAA	840
QY	841	TTGGAAATTGGAGGCCAAAGCCTTAATCTGGACTGCAGAGAGTATTAACGACACAAGGCC	900
Db	841	TTGGAAATTGGAGGCCCAAGCCTTAATCTGGACTGCAGAGAGTATTAACGACACAAGGCC	900
QY	901	ATCGTGACAGTGGACCAACCAAGCTGCTGCGCCTGCCCCAGAAAGGTGTTGATGCGGTG	960
Db	901	ATCGTGACAGTGGACCAACCAAGCTGCTGCGCCTGCCCCAGAAAGGTGTTGATGCGGTG	960
QY	961	GAAAGCTGTGGCCCCCGCATCTCTGATTCAGAAATTCTCTGATGTTTCTGGACTGGGTCC	1020
Db	961	GAAAGCTGTGGCCCCCGCATCTCTGATTCAGAAATTCTCTGATGTTTCTGGACTGGGTCC	1020
QY	1021	CAGCTGGCGTGTGGACGAATTCGGAACACCTTGTCTTACTTCCCTAAATCTCCATC	1080
Db	1021	CAGCTGGCGTGTGGACGAATTCGGAACACCTTGTCTTACTTCCCTAAATCTCCATC	1080
QY	1081	TACCTGAGAGATGAGAACTCCAGCAGGTCAATCCGTAACAATCCTGCTCAGCTTAC	1140
Db	1081	TACCTGAGAGATGAGAACTCCAGCAGGTCAATCCGTAACAATCCTGCTCAGCTTAC	1140
QY	1141	ATTACGCCCATGATGGGGGCCGGCCTGAATTAAGATGTTACCGATTGGCAATTTCCCA	1200
Db	1141	ATTACGCCCATGATGGGGGCCGGCCTGAATTAAGATGTTACCGATTGGCAATTTCCCA	1200
QY	1201	TCCACAATGCGCTGTGTATCGGTGCCACGGTGATGAGGGCTTCTACGTACTTTGCAC	1260
Db	1201	TCCACAATGCGCTGTGTATCGGTGCCACGGTGATGAGGGCTTCTACGTACTTTGCAC	1260
QY	1261	AGAGCCCAAGAGGGGTGGCTTTCGACGACGAGCCCTGTGAGAAATGCAAGTGTGCA	1320
Db	1261	AGAGCCCAAGAGGGGTGGCTTTCGACGACGAGCCCTGTGAGAAATGCAAGTGTGCA	1320
QY	1321	GTGTCTGAAATTTCCGGGCTTTTCTCAACAGAGATGTAGCCACAACGTGTGCCGCT	1380
Db	1321	GTGTCTGAAATTTCCGGGCTTTTCTCAACAGAGATGTAGCCACAACGTGTGCCGCT	1380
QY	1381	CAGTCTTTGAGCGAGCCCATTTTGTGATTTGTCTTATGCGCTCATGAGCGTGTGGA	1440
Db	1381	CAGTCTTTGAGCGAGCCCATTTTGTGATTTGTCTTATGCGCTCATGAGCGTGTGGA	1440
QY	1441	GCCATCCTCCTTGTCTTAATCGTCTGCTGCTGCGCTTCCGCTGTCAGCGTGCGCC	1500
Db	1441	GCCATCCTCCTTGTCTTAATCGTCTGCTGCTGCGCTTCCGCTGTCAGCGTGCGCC	1500
QY	1501	CGTGACCTGAGTGTCAATGATGAGTCCCTCTGTGTGACAGATCGCTGAAATGAATA	1560
Db	1501	CGTGACCTGAGTGTCAATGATGAGTCCCTCTGTGTGACAGATCGCTGAAATGAATA	1560
QY	1561	GCCAGGCTGACCTCAAGCAACCATGAACTCAGCTAATTAAGAAATCACATTTCCAGGGC	1620
Db	1561	GCCAGGCTGACCTCAAGCAACCATGAACTCAGCTAATTAAGAAATCACATTTCCAGGGC	1620
QY	1621	AGCAGCCGGGATCGATGCTGTGGCGCTTCTCTGTGCCCCACCCTCTCAATCTCTGTTCT	1680
Db	1621	AGCAGCCGGGATCGATGCTGTGGCGCTTCTCTGTGCCCCACCCTCTCAATCTCTGTTCT	1680
QY	1681	GCTCCAGATGCTTCTAGATTCACTGTCTTTGATTTCTGATTTTCAAGCTTCAATC	1740
Db	1681	GCTCCAGATGCTTCTAGATTCACTGTCTTTGATTTCTGATTTTCAAGCTTCAATC	1740
QY	1741	CTCCCTACTTCCAAGAAAAATAATTAAAAAAAACCTTCAATTCTAAACCAAAAAAAA	1800
Db	1741	CTCCCTACTTCCAAGAAAAATAATTAAAAAAAACCTTCAATTCTAAACCAAAAAAAA	1800
QY	1801	AAAA 1804	
Db	1801	AAAA 1804	

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RESULT 8
US-09-548-366-1
; Sequence 1, Application US/09548366
; Publication No. US20030104365A1
; GENERAL INFORMATION:
; APPLICANT: Gurney, Mark E.
; APPLICANT: Bienkowski, Michael J.
; APPLICANT: Heinrichson, Robert L.
; APPLICANT: Parodi, Luis A.
; APPLICANT: Yan, Riqiang
; TITLE OF INVENTION: ALZHEIMER'S DISEASE SECRETASE, APP SUBSTRATES THEREFOR, AND
; FILE REFERENCE: 28341/6280A
; CURRENT APPLICATION NUMBER: US/09/548,366
; PRIORITY FILING DATE: 2000-04-12
; PRIOR APPLICATION NUMBER: 60/155,493
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: 09/404,133
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: PCT/US99/20881
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: 60/101,594
; PRIOR FILING DATE: 1998-09-24
; NUMBER OF SEQ ID NOS: 65
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 1804
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-548-366-1

Query Match      100.0%; Score 1804; DB 10; Length 1804;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1804; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 ATGGGCGCACTGGCCCCGGGCGTGTCTGTCCTCTGTGTTGCCAGTGCGTCTCTGCGGCC 60
DB      1 ATGGGCGCACTGGCCCCGGGCGTGTCTGTCCTCTGTGTTGCCAGTGCGTCTCTGCGGCC 60

QY      61 GCCCCGGAGCTGGCCCCCGCGCCTTCAACGCTGCCCTCCGGGTGGCCGGGCCACGAAC 120
DB      61 GCCCCGGAGCTGGCCCCCGCGCCTTCAACGCTGCCCTCCGGGTGGCCGGGCCACGAAC 120

QY      121 CGCGTAGTTGCGCCCCAACCCCGGACC CGGAA CCCCCTGCAGCGCCACGCGGACTTG 180
DB      121 CGCGTAGTTGCGCCCCAACCCCGGACC CGGAA CCCCCTGCAGCGCCACGCGGACTTG 180

QY      181 GCGCTCGCCCTGAGAGCTGCCCTGGCGTCC CCGCGGGCGCCCAA CTCTTGGCCATG 240
DB      181 GCGCTCGCCCTGAGAGCTGCCCTGGCGTCC CCGCGGGCGCCCAA CTCTTGGCCATG 240

QY      241 GTAGACAACCTGCAGGGGGGACTTGGCCGCGGCTACTACTGAGAGTAATGCTGATCGGGAAC 300
DB      241 GTAGACAACCTGCAGGGGGGACTTGGCCGCGGCTACTACTGAGAGTAATGCTGATCGGGAAC 300

QY      301 CCCCCGAGAAGCTACAGATTCTCGTTGACACTGGAAGCAGTAAC TTGGCGTGACAGGA 360
DB      301 CCCCCGAGAAGCTACAGATTCTCGTTGACACTGGAAGCAGTAAC TTGGCGTGACAGGA 360

QY      361 ACCCCGCACTCCTACATAGACACGTACTTTGACACAGAGAGTCTAGCACATACCGCTCC 420
DB      361 ACCCCGCACTCCTACATAGACACGTACTTTGACACAGAGAGTCTAGCACATACCGCTCC 420

QY      421 AAGGGCTTTGACGTCAAGTGAAGTACACACA CAAGGAAGCTGACGGGCTTCGTTGGGAA 480
DB      421 AAGGGCTTTGACGTCAAGTGAAGTACACACA CAAGGAAGCTGACGGGCTTCGTTGGGAA 480

QY      481 GACCTCGTCAACCATCCCCAAAGGCTCAATACTCTTTCTTGTCAACAT TGCCAATAT 540
DB      481 GACCTCGTCAACCATCCCCAAAGGCTCAATACTCTTTCTTGTCAACAT TGCCAATAT 540

QY      541 TTTGAATCAGAGATTCTTTTTCCTGGGATTAATGGAATGAATGGAATACTTGGCCTAGCT 600

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Db 541 TTGATCAGAGATTCTTTGCTGGGATTAATGGAATGGAATACTTGCCCTAGCT 600  
 QY 601 TATGCCACACTTGCCAGCCATCAAGTTCTCTGAGAGACCTCTTGCACCTCCCTGTGACA 660  
 Db 601 TATGCCACACTTGCCAGCCATCAAGTTCTCTGAGAGACCTCTTGCACCTCCCTGTGACA 660  
 QY 661 CAAGCAACATCCCAACGTTTCTCCATGAGATGTGTGAGAGCCGCTTGCCCGTGTCT 720  
 Db 661 CAAGCAACATCCCAACGTTTCTCCATGAGATGTGTGAGAGCCGCTTGCCCGTGTCT 720  
 QY 721 GGATCTGGGACCAACGAGGTAGTCTTGTCTTGGGTGAATTGAACCAAGTTGTATAA 780  
 Db 721 GGATCTGGGACCAACGAGGTAGTCTTGTCTTGGGTGAATTGAACCAAGTTGTATAA 780  
 QY 781 GGAGACATCTGTATACCCCTATTAAGGAAGAGTGTACTACCAATGAATAATTCTGAAA 840  
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RESULT 9  
 US-09-978-295A-195  
 ; Sequence 195, Application US/09978295A  
 ; Patent No. US2002015606A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ashkenazi, Avi  
 ; APPLICANT: Baker Kevin P.  
 ; APPLICANT: Botstein, David  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Baton, Dan  
 ; APPLICANT: Ferrara, Napoleon  
 ; APPLICANT: Filvaroff, Ellen  
 ; APPLICANT: Fong, Sherman  
 ; APPLICANT: Gao, Wei-Qiang  
 ; APPLICANT: Gerber, Hanspeter  
 ; APPLICANT: Gerlitsen, Mary E.  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Grimaldi, Paul J.  
 ; APPLICANT: Grimaldi, J. Christopher  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Hillan, Kenneth J.  
 ; APPLICANT: Kijavlin, Ivar J.  
 ; APPLICANT: Kuo, Sophia S.  
 ; APPLICANT: Napier, Mary A.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Paoni, Nicholas F.  
 ; APPLICANT: Roy, Margaret Ann  
 ; APPLICANT: Shelton, David L.  
 ; APPLICANT: Stewart, Timothy A.  
 ; APPLICANT: Tumas, Daniel  
 ; APPLICANT: Williams, P. Mickey  
 ; APPLICANT: Wood, William I.  
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 ; FILE REFERENCE: P2630P1C11  
 ; CURRENT APPLICATION NUMBER: US/09/978, 295A  
 ; CURRENT FILING DATE: 2001-10-15  
 ; PRIOR APPLICATION NUMBER: 09/918585  
 ; PRIOR FILING DATE: 2001-07-30  
 ; PRIOR APPLICATION NUMBER: 60/062250  
 ; PRIOR FILING DATE: 1997-10-17  
 ; PRIOR APPLICATION NUMBER: 60/064249  
 ; PRIOR FILING DATE: 1997-11-03  
 ; PRIOR APPLICATION NUMBER: 60/065311  
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 ; PRIOR APPLICATION NUMBER: 60/077649  
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 ; PRIOR APPLICATION NUMBER: 60/077791  
 ; PRIOR FILING DATE: 1998-03-12  
 ; PRIOR APPLICATION NUMBER: 60/078004







APPLICANT: Kuo, Sophia S.  
 APPLICANT: Napier, Mary A.  
 APPLICANT: Pan, James;  
 APPLICANT: Paoni, Nicholas F.  
 APPLICANT: Roy, Margaret Ann  
 APPLICANT: Shelton, David L.  
 APPLICANT: Stewart, Timothy A.  
 APPLICANT: Tumas, Daniel  
 APPLICANT: Williams, P. Mickey  
 APPLICANT: Wood, William I.  
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 FILE REFERENCE: P2630P1C27  
 CURRENT APPLICATION NUMBER: US/09/978,697  
 CURRENT FILING DATE: 2001-10-16  
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 PRIOR FILING DATE: 2001-07-30  
 PRIOR APPLICATION NUMBER: 60/062250  
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PRIOR FILING DATE:	1998-05-15
PRIOR APPLICATION NUMBER:	60/085697

Query Match	98.9%;	Score 1784.4;	DB 9;	Length 1879;
Best Local Similarity	99.9%;	Pred. No. 0;		

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 QY 1381 CAGTCTTTGAGCGAGCCCATTTTGTGATGTGTCTATGCGCTCATAGCGTCTGTGA 1440  
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 ; Sequence 195, Application US/09999832A  
 ; Publication No. US20020192706A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ashkenazi, Avi  
 ; APPLICANT: Baker Kevin P.  
 ; APPLICANT: Botstein, David  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Eaton, Dan  
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APPLICANT: Napier, Mary A.  
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 APPLICANT: Stewart, Timothy A.  
 APPLICANT: Thomas, Daniel  
 APPLICANT: Williams, P. Mickey  
 APPLICANT: Wood, William I.  
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
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 CURRENT APPLICATION NUMBER: US/09/999,832A  
 CURRENT FILING DATE: 2001-10-24  
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27 PRIOR APPLICATION NUMBER: 60/085580
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Db	154	GCCCCGGAGCTGGCCCCCGCGCCCTTCACGCTGCCCCCTCCGGGTGGCCGCGGCCACGAAC	213
QY	121	CGCGTAGTTGCGCCCAACCCCGGGAACCCCGGACCCCTGCGGAGCGCCACGCGGACGGCTTG	180
Db	214	CGCGTAGTTGCGCCCAACCCCGGGAACCCCGGACCCCTGCGGAGCGCCACGCGGACGGCTTG	273
QY	181	GCCTCGCCCTGGAGCTGCGCCCTGGCGTCCCCCGCGGCGCGCCCACTTCTTGCCATG	240
Db	274	GCCTCGCCCTGGAGCTGCGCCCTGGCGTCCCCCGCGGCGCGCCCACTTCTTGCCATG	333
QY	241	GTAGACAACCTGCAGGGGGACTGTGGCCGCGGCTACTACCTGAGATGCTGATCGGGAAC	300
Db	334	GTAGACAACCTGCAGGGGGACTGTGGCCGCGGCTACTACCTGAGATGCTGATCGGGAAC	393
QY	301	CCCCCGCAGAAGCTACAGATTCTCGTTGACACTGGAAGCAGTAACTTTGCCGTGGCAGGA	360
Db	394	CCCCCGCAGAAGCTACAGATTCTCGTTGACACTGGAAGCAGTAACTTTGCCGTGGCAGGA	453
QY	361	ACCCCGCACTCCTACATAGACACGTACTTTGACACACAGAGAGTCTAGCACATACCGCTCC	420
Db	454	ACCCCGCACTCCTACATAGACACGTACTTTGACACACAGAGAGTCTAGCACATACCGCTCC	513
QY	421	AAAGGCTTTGACGTCAcAGTGAATACACACAAGAAGCTGCACGGGCTTCGTTGGGGA	480
Db	514	AAAGGCTTTGACGTCAcAGTGAATACACACAAGAAGCTGCACGGGCTTCGTTGGGGA	573
QY	481	GACCTCGTCAACCATCCCCAAAGGCTTCAATACTTCTTTCTGTGCAACATTCGCACTATT	540
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QY 601 TATGCCACACTTGGCAAGCCATCAAGTTCTCTGGAGACTTCTTGACTCCCTGGTGACA 660
Db 694 TATGCCACACTTGGCAAGCCATCAAGTTCTCTGGAGACTTCTTGACTCCCTGGTGACA 753
QY 661 CAAGCAACATCCCAACGTTTCTCCATGAGATGTGAGCCGGCTTGCCTGGTGCT 720
Db 754 CAAGCAACATCCCAACGTTTCTCCATGAGATGTGAGCCGGCTTGCCTGGTGCT 813
QY 721 GGATCTGGACCAAGAGAGTAGTCTTGTGGTGAATTGAACCAAGTTGTATAA 780
Db 814 GGATCTGGACCAAGAGAGTAGTCTTGTGGTGAATTGAACCAAGTTGTATAA 873
QY 781 GGAGACATCTGTATACCCCTATTAGAAGAGTGTACTACAGATAGAATTTCTGAAA 840
Db 874 GGAGACATCTGTATACCCCTATTAGAAGAGTGTACTACAGATAGAATTTCTGAAA 933
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Db 934 TTGAAATTTGAGGCCAAGCCTTAATCTGACTGACAGAGATATAACGAGACAAGGCC 993
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Db 994 ATCTGACAGTGGCAACAGCTGCTGCGCTGCCCAAGAGTGTGATGCGGTGCTG 1053
QY 961 GAAGCTGTGGCCCGCATCTCTGATTCAGAAATTCCTGATGTTCTGACTGGGTCC 1020
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; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerltzen, Mary E.
; APPLICANT: Goddard, Audrey J.
; APPLICANT: Grimaldi, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
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PRIOR FILING DATE: 1998-05-15  
PRIOR APPLICATION NUMBER: 60/085697

Query Match 98.9%; Score 1784.4; DB 10; Length 1879;  
Best Local Similarity 99.9%; Pred. No. 0;  
Matches 1785; Conservative 0; Mismatches 1; Indels 0; Gaps 0;



OY		1	ATGGGCGCACTGGCCCGGAGCGCTGTGTCGCCTTCTGCTGGCCCAAGTGCTCCTGCCGCC	60
Db		94	ATGGGCGCACTGGCCCGGAGCGCTGTGTCGCCTTCTGCTGGCCCAAGTGCTCCTGCCGCC	153
OY		61	GCCCCGGAGCTGGCCCCCGCGCCCTTCACGCTGCCCTCCGGGTGGCCGCGCCACGAAC	120
Db		154	GCCCCGGAGCTGGCCCCCGCGCCCTTCACGCTGCCCTCCGGGTGGCCGCGCCACGAAC	213
OY		121	CGCGTAGTTGCGCCCAACCCCGGGACC CGGGACCCCTGCCGAGCGCCACGCGGCTTG	180
Db		214	CGCGTAGTTGCGCCCAACCCCGGGACC CGGGACCCCTGCCGAGCGCCACGCGGCTTG	273
OY		181	GCGCTCGCCCTGGAGCGCTGCCCTGGCGTCCC CGCGGGCGCCCGCCAATTCTTGCCCATG	240
Db		274	GCGCTCGCCCTGGAGCGCTGCCCTGGCGTCCC CGCGGGCGCCCGCCAATTCTTGCCCATG	333
OY		241	GTAGACAACCTGCAGGGGGAACTCTGGCCGCGGCTACTA C CTGGAAGTCTGATCGGGAAC	300
Db		334	GTAGACAACCTGCAGGGGGAACTCTGGCCGCGGCTACTA C CTGGAAGTCTGATCGGGAAC	393
OY		301	CCCCCGCAGAAGCTACAGATTCTGTTGACA CTGGAACAGTA ACTTTGCCGTGGCAGGA	360
Db		394	CCCCCGCAGAAGCTACAGATTCTGTTGACA CTGGAACAGTA ACTTTGCCGTGGCAGGA	453
OY		361	ACCCCGCACTCCTACATAAGACA CGTACTTTGACACAGAGAGGTCTAGCACATACGCTCC	420
Db		454	ACCCCGCACTCCTACATAAGACA CGTACTTTGACACAGAGAGGTCTAGCACATACGCTCC	513
OY		421	AAGGCTTTGACGTCA CAGTGAAGTACACACAAGGAAGCTG GACGGCTTCGTTGGGGAA	480
Db		514	AAGGCTTTGACGTCA CAGTGAAGTACACACAAGGAAGCTG GACGGCTTCGTTGGGGAA	573
OY.		481	GACCTCGTCAACCATCCCAAGGCTTCAATAC TTTCTTTCTGTCAACATTTGCCACTATT	540
Db		574	GACCTCGTCAACCATCCCAAGGCTTCAATAC TTTCTTTCTGTCAACATTTGCCACTATT	633
OY	,	541	TTTGAATCAGAGAATTTCTTTTGGCTGGGATTA ATGGAATGAATACTTGGCCTAAGT	600
Db		634	TTTGAATCAGAGAATTTCTTTTGGCTGGGATTA ATGGAATGAATACTTGGCCTAAGT	693
OY		601	TATGCCACACTTGC CAAGCCATCAAGTTCTCTGAGACCTTCTGACTCCCTGGTGACA	660
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OY		661	CAAGCAACATCCCCCAAAGTTTTCTCCATG CAGATGTGGAAGCCGGCTTGCCCGTTGCT	720
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OY		721	GGAATCTGGGACCAACGAGTAGTCTGTCTTGG GTGAATGAACCAAGTTGTATAAA	780
Db		814	GGAATCTGGGACCAACGAGTAGTCTGTCTTGG GTGAATGAACCAAGTTGTATAAA	873
OY		781	GGAGACATCTGTATACCCCTTAATAAG AAGTGTGTACTACAGATAGAATTTGTAAA	840
Db		874	GGAGACATCTGTATACCCCTTAATAAG AAGTGTGTACTACAGATAGAATTTGTAAA	933
OY		841	TTGGAATTTGAGAGGCCAAGCCTTAATCTG GACTGCAGAGAGTATAACGACAGCAAGCC	900
Db		934	TTGGAATTTGAGAGGCCAAGCCTTAATCTG GACTGCAGAGAGTATAACGACAGCAAGCC	993
OY		901	ATCGTGAACA GTGGCAACACGCTGCTGCGCTTG CCCAGAAAGTGTGTGATGCGGTG	960
Db		994	ATCGTGAACA GTGGCAACACGCTGCTGCGCTTG CCCAGAAAGTGTGTGATGCGGTG	1053
OY		961	GAACTGTGGCCCGCGCATCTCTGAATCC AGAATTTCTCTGAATGTTCTGGA CTGGGTCC	1020
Db		1054	GAACTGTGGCCCGCGCATCTCTGAATCC AGAATTTCTCTGAATGTTCTGGA CTGGGTCC	1113
OY		1021	CAGCTGGCGTGTGGA CGAATTCGGAACA C CTTGGTCTTACTTCCCTAAATCTCCATC	1080
Db		1114	CAGCTGGCGTGTGGA CGAATTCGGAACA C CTTGGTCTTACTTCCCTAAATCTCCATC	1173

QY	1081	TACCTGAGAGATGAGAACTCCAGCAGGTCATTCCTGATCAACAATCCTGCCTCAGCTTTAC	1140
Db	1174	TACCTGAGAGACGAGAACTCCAGCAGGTCATTCCTGATCAACAATCCTGCCTCAGCTTTAC	1233
QY	1141	ATTCAGCCCATGATGCGGGGCGGGCCCTGAATTATGAATGTTACCGATTGGGCATTTCCCCA	1200
Db	1234	ATTCAGCCCATGATGCGGGGCGGGCCCTGAATTATGAATGTTACCGATTGGGCATTTCCCCA	1293
QY	1201	TCCACAATATGCGCTGCTGTGATCGGTGCGCACCGTGATGAGAGGCTTCTACGTCATCTTGAC	1260
Db	1294	TCCACAATATGCGCTGCTGTGATCGGTGCGCACCGTGATGAGAGGCTTCTACGTCATCTTGAC	1353
QY	1261	AGAGCCCAAGAGGGGTGGGCTTCGCAGCGAGCCCTGTGCAGAAATGCAAGTGTGCTGCA	1320
Db	1354	AGAGCCCAAGAGGGGTGGGCTTCGCAGCGAGCCCTGTGCAGAAATGCAAGTGTGCTGCA	1413
QY	1321	GTGCTGAATTTCCGGGCTTTCTCAACAGAGATGTAGCCAGCACTGTGTCCCGCT	1380
Db	1414	GTGCTGAATTTCCGGGCTTTCTCAACAGAGATGTAGCCAGCACTGTGTCCCGCT	1473
QY	1381	CAGTCTTTGAGCGAGCCCATTTTGTGATTTGTGCTATGCGCTCATGAGCGTCTGTGA	1440
Db	1474	CAGTCTTTGAGCGAGCCCATTTTGTGATTTGTGCTATGCGCTCATGAGCGTCTGTGA	1533
QY	1441	GCCATCCTCCTGTGCTTAATCGTCCGTGCTGCTGCTGCGCGTCCGGTGTCAAGCGTCCGCC	1500
Db	1534	GCCATCCTCCTGTGCTTAATCGTCCGTGCTGCTGCTGCGCGTCCGGTGTCAAGCGTCCGCC	1593
QY	1501	CGTGACCCCTGAGGTCGTCATGATGAGTCCCTCTGCTGAGACATCGCTGGAATGAATA	1560
Db	1594	CGTGACCCCTGAGGTCGTCATGATGAGTCCCTCTGCTGAGACATCGCTGGAATGAATA	1653
QY	1561	GCCAGGCTGACCTCAAGCAACCATGAACCTCAGCTAATTAAGAAATCACATTTCCAGGGC	1620
Db	1654	GCCAGGCTGACCTCAAGCAACCATGAACCTCAGCTAATTAAGAAATCACATTTCCAGGGC	1713
QY	1621	AGCAGCCGGGATCGATGCTGCGGCTTCTCCTGTGCCACCCGCTTCAATCTCTGTTCT	1680
Db	1714	AGCAGCCGGGATCGATGCTGCGGCTTCTCCTGTGCCACCCGCTTCAATCTCTGTTCT	1773
QY	1681	GCTGCCAGATGCTCTTCTAGATTCACTGCTCTTTTGATTCTTGATTTTCAAGCTTCAAATC	1740
Db	1774	GCTGCCAGATGCTCTTCTAGATTCACTGCTCTTTTGATTCTTGATTTTCAAGCTTCAAATC	1833
QY	1741	CTCCCTACTTCCAAAGAAAATAATTAAAAAAAACCTTCATTCTAA	1786
Db	1834	CTCCCTACTTCCAAAGAAAATAATTAAAAAAAACCTTCATTCTAA	1879

RESULT 14

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